WHAT IS CLAIM IS:

1. A reproducing apparatus comprising:

an input terminal for inputting audio digital data including a plurality of time-base continuous data block each of which consists of a predetermined number of data;

a thinning-out unit for thinning out part of the audio digital data on a data block basis; and

a conversion unit for varying the amplitude of either continuous plural data including the last data of a data block immediately preceding the thinned data block or continuous plural data including the first data of a data block immediately following the thinned data block so that the last data of the immediately preceding data block will be concatenated with the first data of the immediately following data block along a smooth amplitude-varying curve.

2. A reproducing apparatus according to claim 1, wherein the amplitude-varying curve is calculated according to a simply increasing or decreasing function.

3. A reproducing apparatus according to claim 2, wherein the simply increasing or decreasing function is determined on the basis of the difference between the amplitude of the last data of the data block immediately preceding the thinned data block and the amplitude of the first data of the data block immediately following the thinned data block, the amplitude of plural data of which the

amplitude is to be varied in the immediately following data block, position information of the plural data, and the number of the plural data.

4. A reproducing apparatus according to claim 1, wherein said conversion unit integrates the continuous plural data the amplitude of which has been varied.

5. A reproducing apparatus according to claim 1, wherein the audio digital data of each data block are compressed data, each data block further includes header information from which the first data of the data block is obtained, and data following the first data are decompressed on the basis of the immediately preceding data of the data block.

6. A reproducing apparatus comprising:

an input terminal for inputting audio digital data including a plurality of time-base continuous data block each of which consists of a predetermined number of data;

a thinning-out unit for thinning out part of the audio digital data on a data block basis;

a conversion unit for varying the amplitude of either continuous plural data including the last data of a data block immediately preceding the thinned data block or continuous plural data including the first data of a data block immediately following the thinned data block so that

the last data of the immediately preceding data block will be concatenated with the first data of the immediately following data block along a smooth amplitude-varying curve; and

a reproducing unit for reproducing both the data converted by means of said conversion unit and the other data not converted by means of said conversion unit.

7. A reproducing apparatus according to claim 6, wherein the amplitude-varying curve is calculated according to a simply increasing or decreasing function.

8. A reproducing apparatus according to claim 7, wherein the simply increasing or decreasing function is determined on the basis of the difference between the amplitude of the last data of the data block immediately preceding the thinned data block and the amplitude of the first data of the data block immediately following the thinned data block, the amplitude of plural data of which the amplitude is to be varied in the immediately following data block, position information of the plural data, and the number of the plural data.

9. A reproducing apparatus according to claim 6, wherein said conversion unit integrates the continuous plural data the amplitude of which has been varied.

10. A reproducing apparatus according to claim 6,

wherein the audio digital data of each data block are compressed data, each data block further includes header information from which the first data of the data block is obtained, and data following the first data are decompressed on the basis of the immediately preceding data of the data block.